

REMARKS

Claims 1-16 are pending. By this Amendment, claims 1, 11 and 15 have been amended. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

The Examiner rejects claims 1, 3, 5, 6, 11, 13, 15 and 16 under 35 U.S.C. §102(a) as being anticipated by Tock (U.S. Patent No. 5,815,718); claims 2 and 12 under 35 U.S.C. §103(a) as being unpatentable in view of Tock in view of Snyder, et al. (U.S. Patent No. 6,161,147); claims 4 and 14 under 35 U.S.C. §103(a) as being unpatentable in view of Tock and Tso, et al. (U.S. Patent No. 6,247,050); claims 7-9 under 35 U.S.C. §103(a) as being unpatentable in view of Tock and Kimishima (U.S. Patent No. 5,978,846); and claim 10 under 35 U.S.C. §103(a) as being unpatentable over Tock in view of Kimishima and Tso, et al. These rejections are respectfully traversed.

Claim 1 recites a system of dynamic module configuration which is linked through a network comprising a memory linked to the network, for storing a plurality of function executing modules which execute specific processes; a request device which outputs an execution request for executing one of the specific processes; and an execution device for receiving the execution request from the request device through the network, acquiring one of the plurality of function executing modules which has a function of realizing the execution request from the memory through the network, executing the

acquired function execution module and providing a result of the execution of the function execution module to the request device.

The Examiner alleges that Tock anticipates applicant's claimed invention by providing each and every feature recited in applicant's independent claims. Applicants respectfully disagree with the Examiner's allegation. Tock discloses a method and system that when applying object oriented programming, limits the amount of random access memory (RAM) that is used. This is accomplished by partitioning an application into two (2) separate address spaces using an offline class loader. The first address space resides in a read only memory device (ROM) and contains methods that do not require dynamic loading and data that remains constant. The second address space resides in a read/forward write memory device (RAM) and contains the methods that require dynamic loading and data that is changed during execution. See column 3, lines 1-25.

During dynamic loading data that resides on one or more servers within a computer network can be references, acquired and executed by a computer connected to the servers. This data is then stored in one of the two partition addresses as described above. The computer, upon retrieving the data, uses this data in execution of a program. The system of Tock locates and retrieves data, acquires the data, separates the data into one of two memory locations based on the type of data and executes a program using the data.

Looking at the language of claim 1, applicant provides a system in which modules stored in a memory separate from a device are requested by the device and received in an execution drive located within the device. The execution device executes the module and provides the result to the device.

Although the system of Tock and applicant's invention both request and retrieve data, the processing and use of this data, as provided in Tock and by applicant's system are accomplished in a different manner from each other, as illustrated above. The device in Tock which requests the data also uses the data in performing an execution function. Tock does not utilize an execution device for acquiring and executing a module to obtain a result. Further, the device of Tock does not provide the obtained result to the request device. Thus, Tock does not anticipate applicant's claimed invention because Tock fails to disclose each and every element which is recited in claims 1, 11 and 16.

Further, Snyder, Tso and Kimishima do not make up for the deficiencies of Tock. Accordingly, in view of the above, reconsideration and withdrawal of the rejections are respectfully requested.

CONCLUSION

For at least these reasons, it is respectfully submitted that claims 1-16 are distinguishable over the cited references. Favorable consideration and prompt allowance are earnestly solicited.

Should the Examiner believe that anything further is necessary in order to place this application in condition for allowance, the Examiner is invited to contact the applicant's representative at the number listed below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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Attachment

MARKED-UP VERSION TO SHOW CHANGES BEING MADE

In the Claims

Please replace claims 1, 11 and 15 with the following.

Claim 1. (Twice Amended)

A system of dynamic module configuration which is linked through a network comprising:

a memory, linked to the network, for storing a plurality of function executing modules which execute specific processes;

a request device which outputs an execution request for executing one of the specific processes; and

an execution device for receiving, through the network, the execution request output from the request device, acquiring, through the network, one of the plurality of function executing modules which has a function of realizing the execution request from the memory, [and] executing the acquired function execution module and providing a result of the execution of the function execution module to the request device.

Claim 11. (Twice Amended)

A dynamic module configuration method using a network comprising the steps of:

storing in a memory a plurality of function executing modules for executing specific processes;

outputting, by a request device through the network, an execution request for executing one of the specific processes [to an execution device]; and

receiving, by [the] an execution device, the execution request through the network, acquiring, through the network, one of the plurality of function executing modules from the memory which has a function of realizing the execution request, [and] executing the acquired function execution module and providing a result of the execution of the function execution module to the request device.

Claim 15. (Twice Amended)

A system of dynamic module configuration comprising:

an internal resource of a device for performing an original function of the device; and

an execution device for

receiving an execution request, through a network, which requests a performance of a function of the device,

acquiring, from an external resource, one of a plurality of function execution modules which has a function of realizing the execution request, and

executing the acquired function execution module,

wherein the receiving, acquiring and executing are performed by using a part of the internal resource and wherein an executed result is obtained from executing the function execution module and the result is provided to the device.